

# Ops Summary update for 21 April 2011

Submitted by srutledge on Thu, 04/21/2011 - 10:33

Flight Date:

Fri, 04/22/2011

MC3E officially starts 22 April.

Instrument summary: ER-2 and UND aircraft are ready to go. DOE radars: two of the X-bands are operational. Third X-band should be up soon. DOE C-band can only do PPI volumes, RHI's not possible right now. Vertically pointing Ka is operational. Pedestal issues are being worked on the Ka/W band radar. It can only do vertically-pointing at the present time. N-pol is operational. Scans being fine tuned. Soundings are operational. Other MC3E ground based instruments are operational. Plan for Friday. ER-2 will ferry to Offut AFB. We have requested that the ER-2 be over Norman, OK at 21 UTC. Have alerted UND Citation to be over Norman at same time. Expect convection to develop along cold front in central to southern Oklahoma. If we can get some convection in the field of view of the OU-Prime radar along with the aircraft data that would be a successful start to our operations. DOE soundings will be at 4 per day on Friday.

Saturday the forecast is not promising for convection. Sunday afternoon-evening looks promising. A stalled frontal boundary will be in the area, low level moisture will be abundant, and a strong upper level trough will approach from the southwest. This could be a big event for MC3E.

All instruments should strive for full up status to catch that Sunday event.

Steve Rutledge

Ed Zipser